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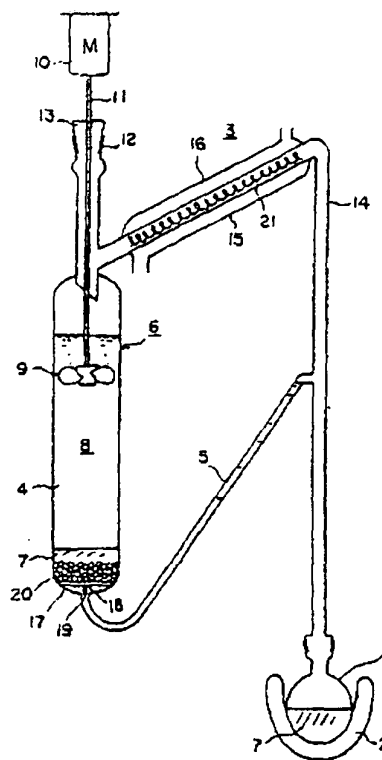
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TITLE : LIQUID EXTRACTOR



ABSTRACT : PURPOSE: To efficiently perform extraction in a short time by communicating and providing a condenser, a sample vessel, a U-shaped reflux pipe and a recovery vessel and allowing an extraction solvent to be circulated and performing extraction while agitating a sample soln. in the sample vessel.

CONSTITUTION: An extraction solvent 7 stored in a recovery vessel 1 is heated with a heating source 2 and evaporated and the vapor is introduced into a condenser 3 and condensate is fed into a sample vessel 4. The extraction solvent 7 is incorporated into a soln. dissolved with a sample in the sample vessel 4 and it is settled while being agitated with an agitator 6 and therefore finely cut by receiving shearing force and dispersed and also brought into contact with the sample soln. for a comparatively long time. Therefore the sample is efficiently dissolved and extracted and the extraction solvent 7 is returned to the recovery vessel 1 via a nearly U-shaped reflux pipe 5. Further when providing both a heating means for heating the sample soln. while it is agitated and a cooling means of the atmosphere of the extraction solvent, extraction little in solvent loss is performed.

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